

Fig 2

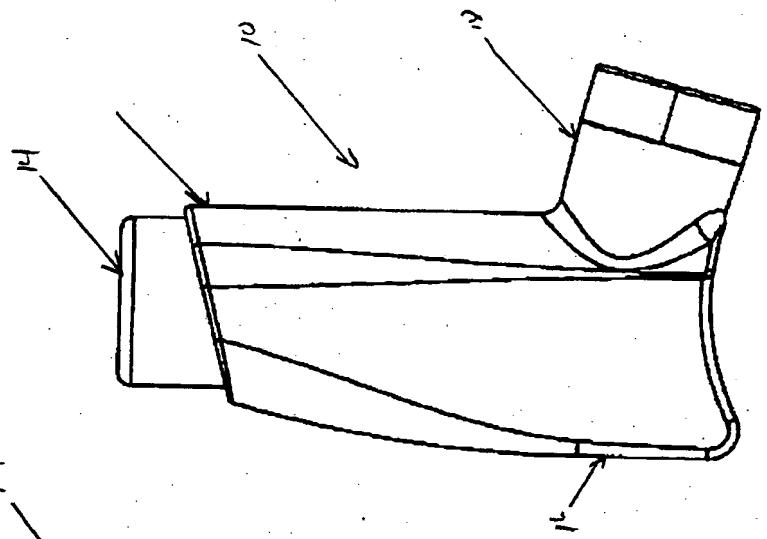


Fig 1

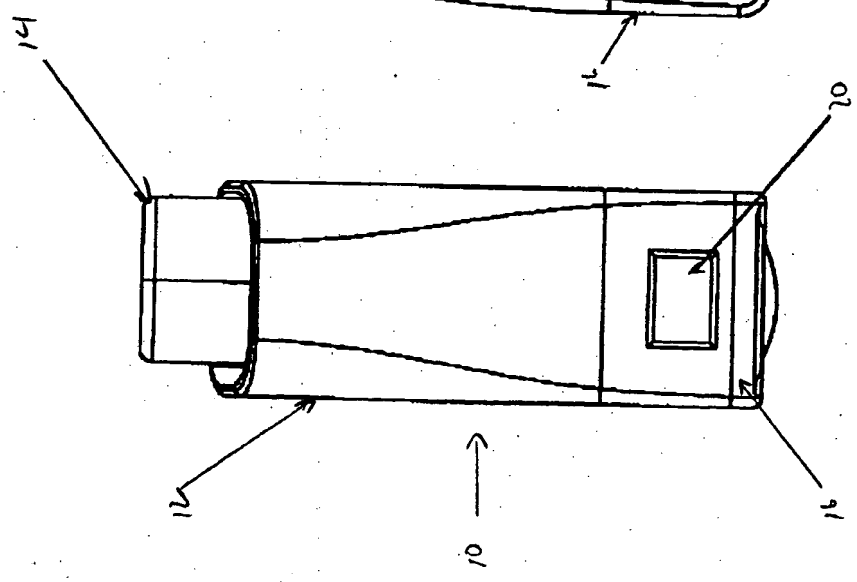
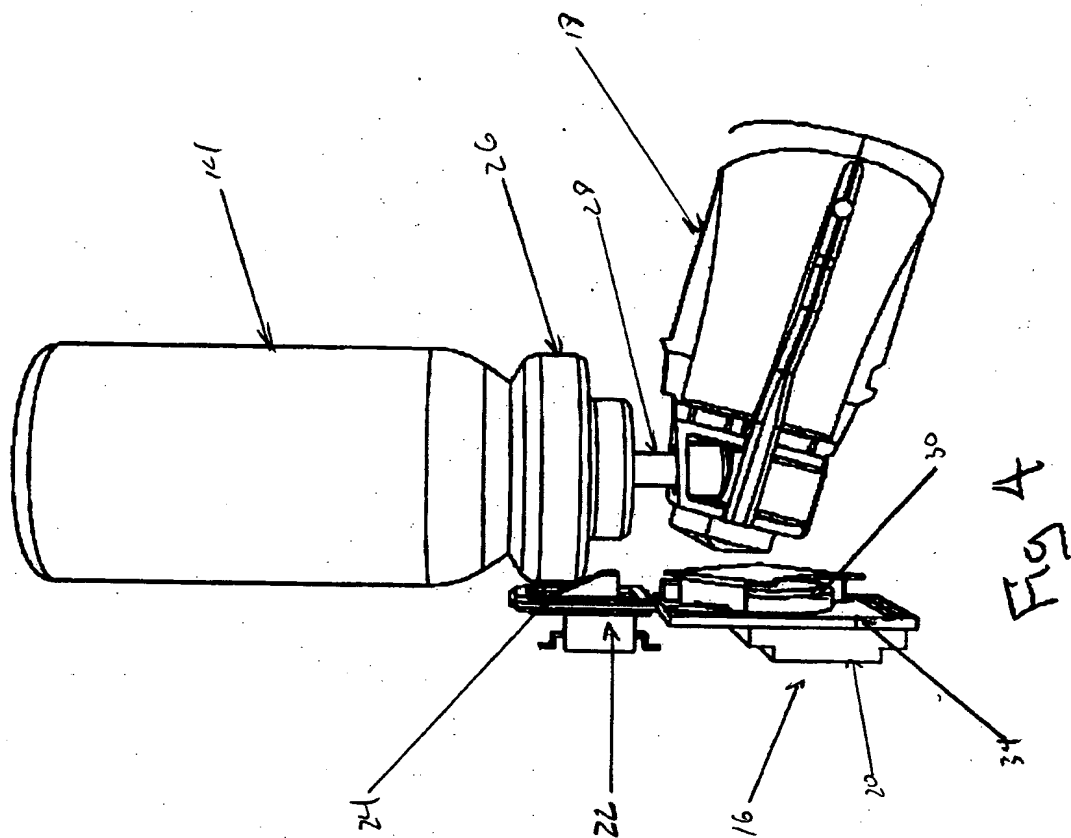


Fig 3



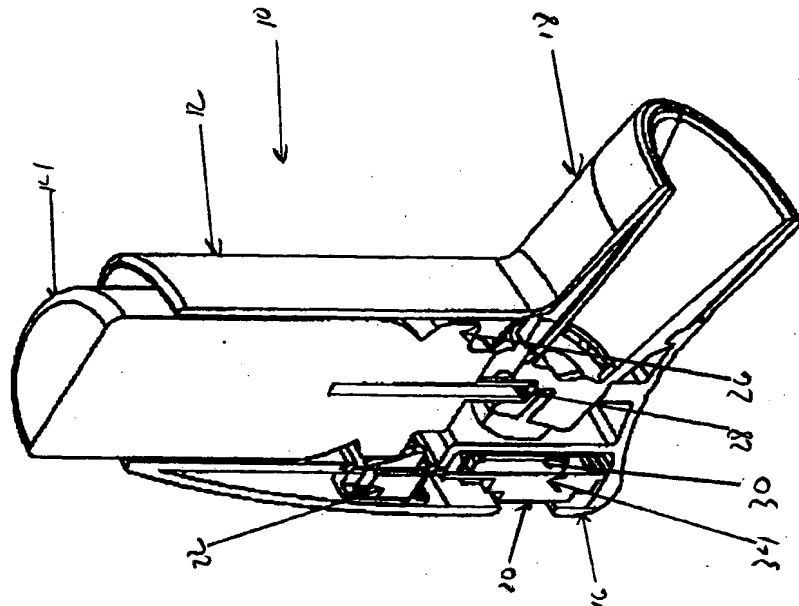


Fig 5

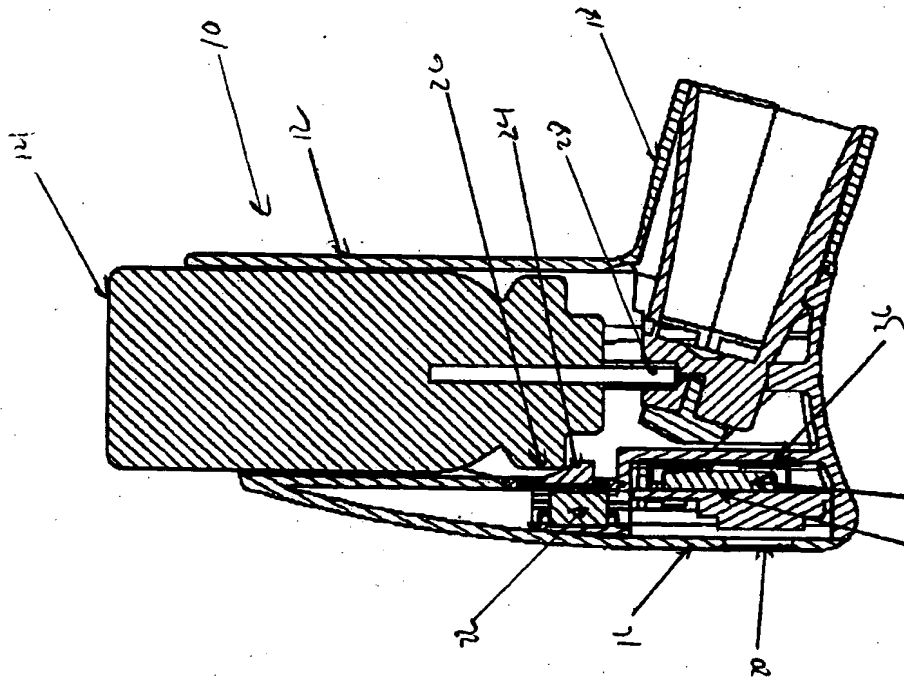


Fig 6

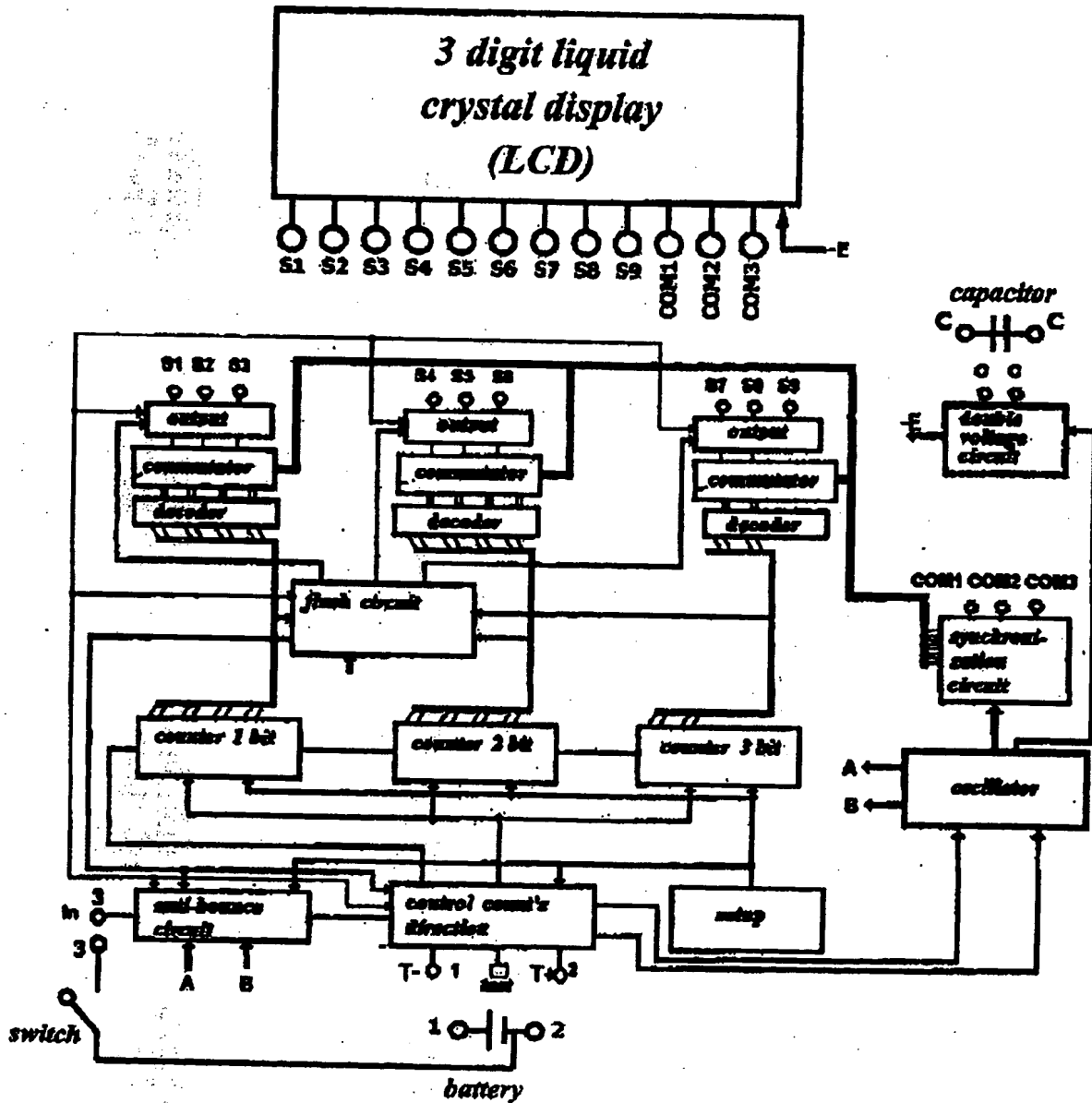
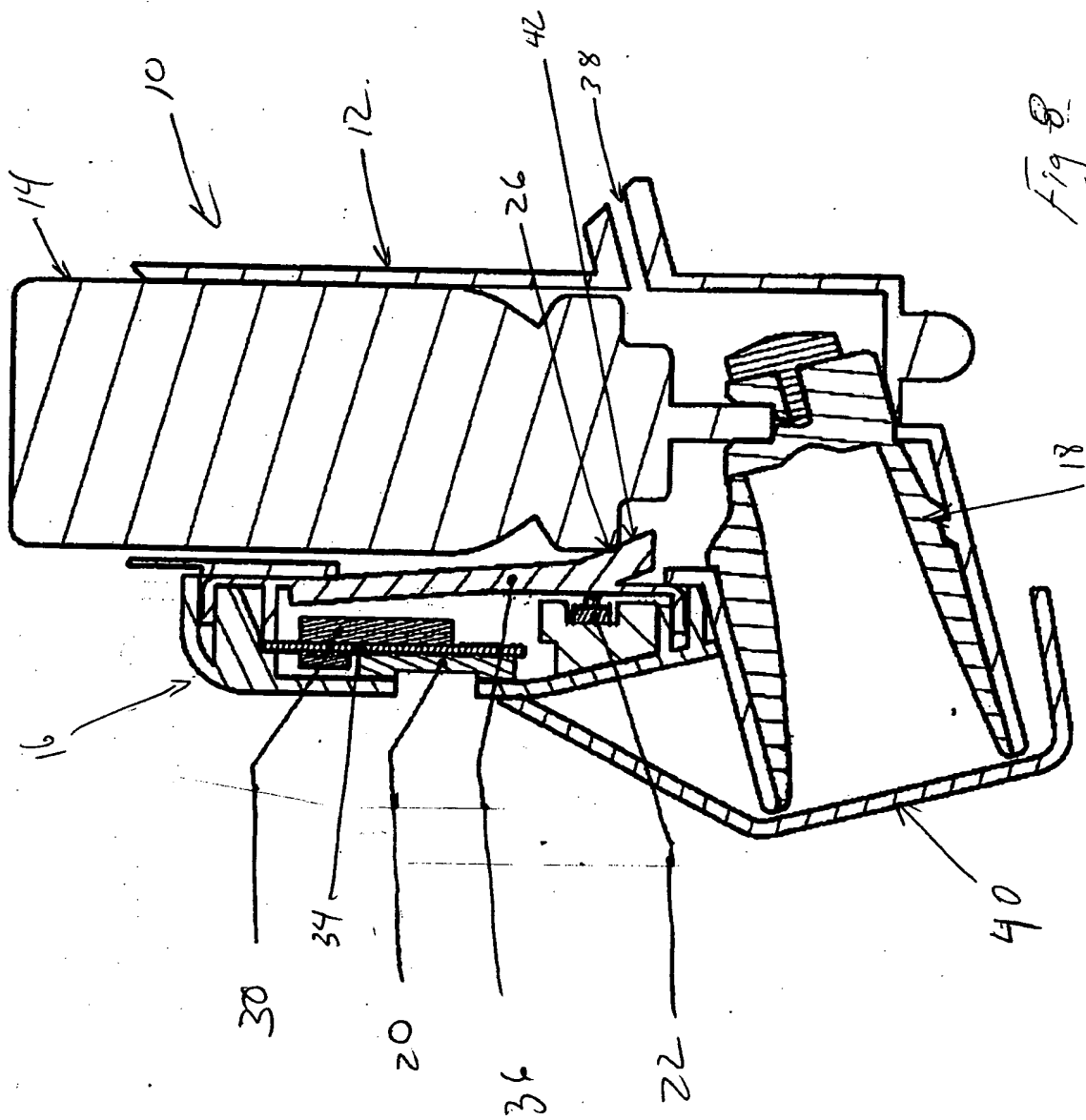


Fig 7



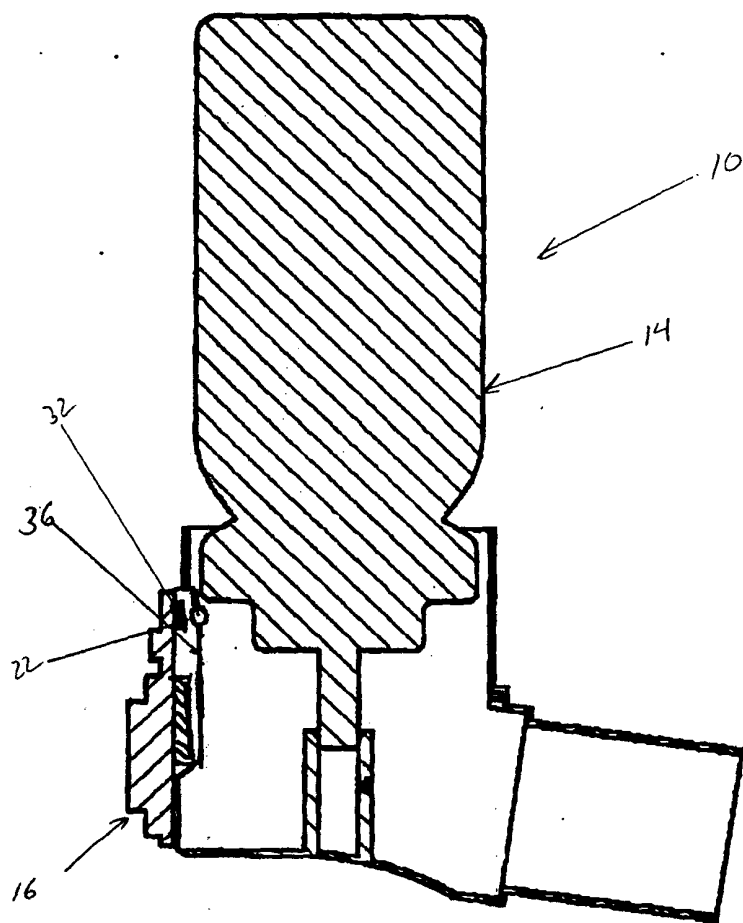


Fig 9

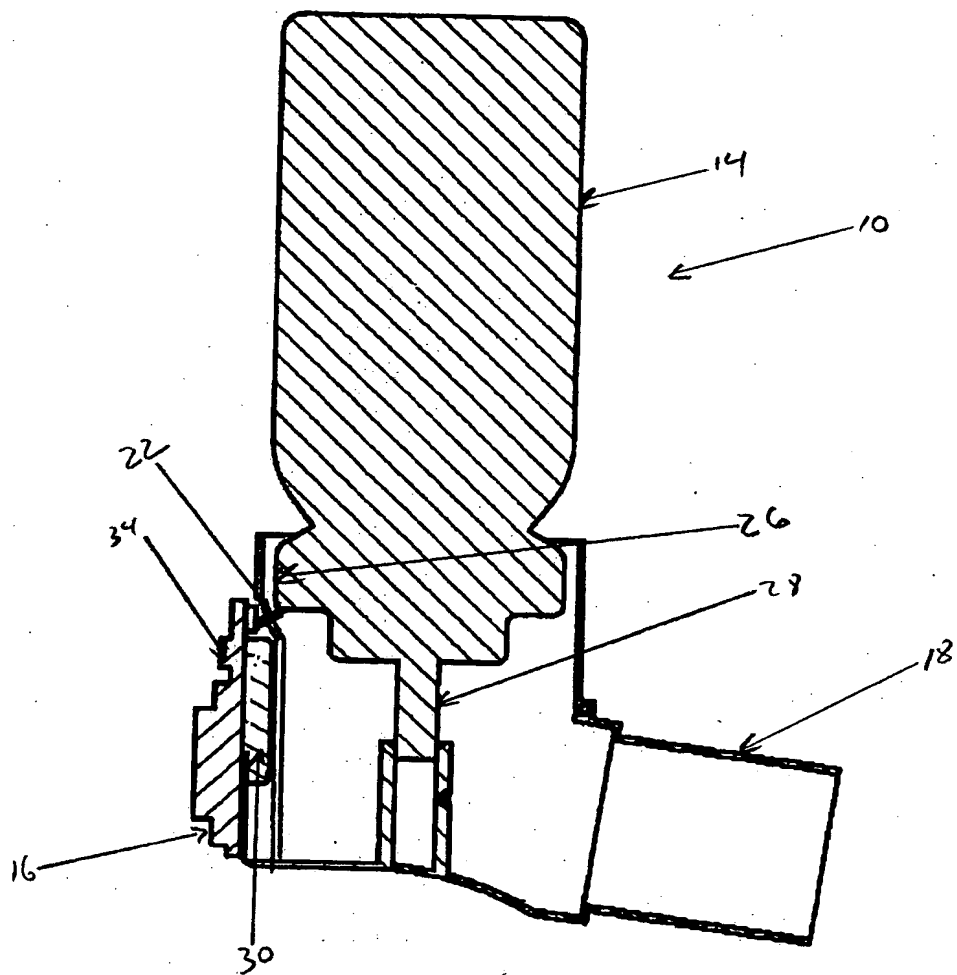


Fig 11

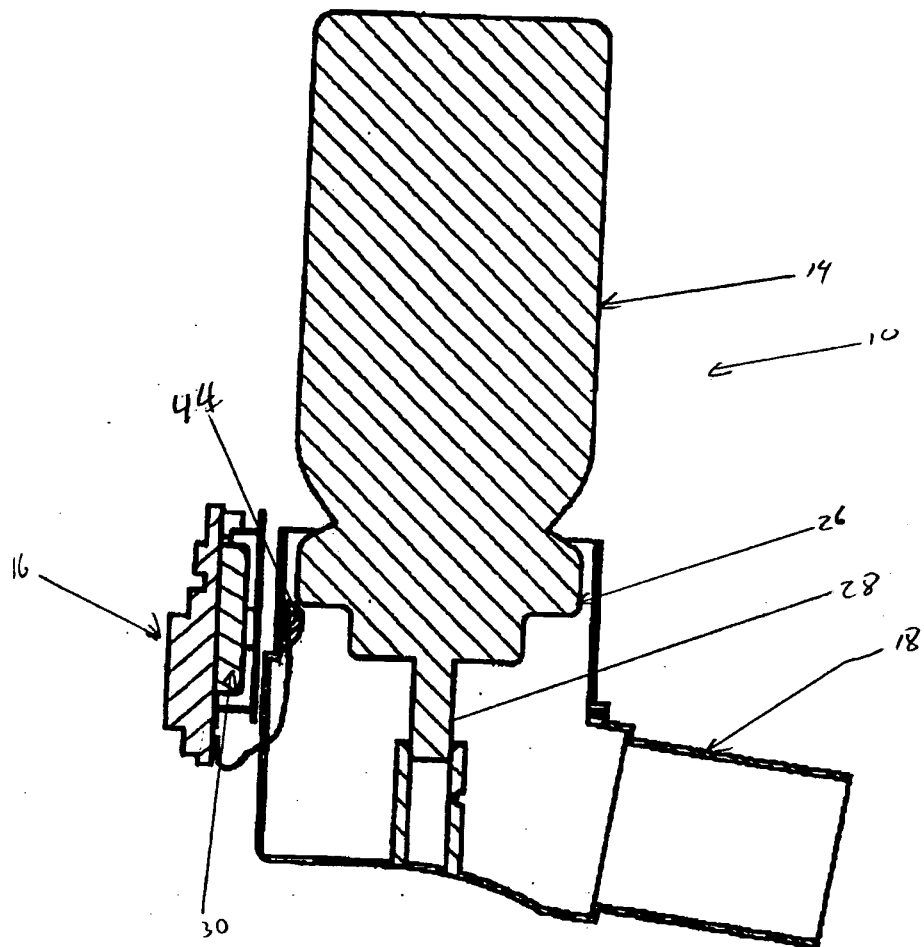


Fig 12

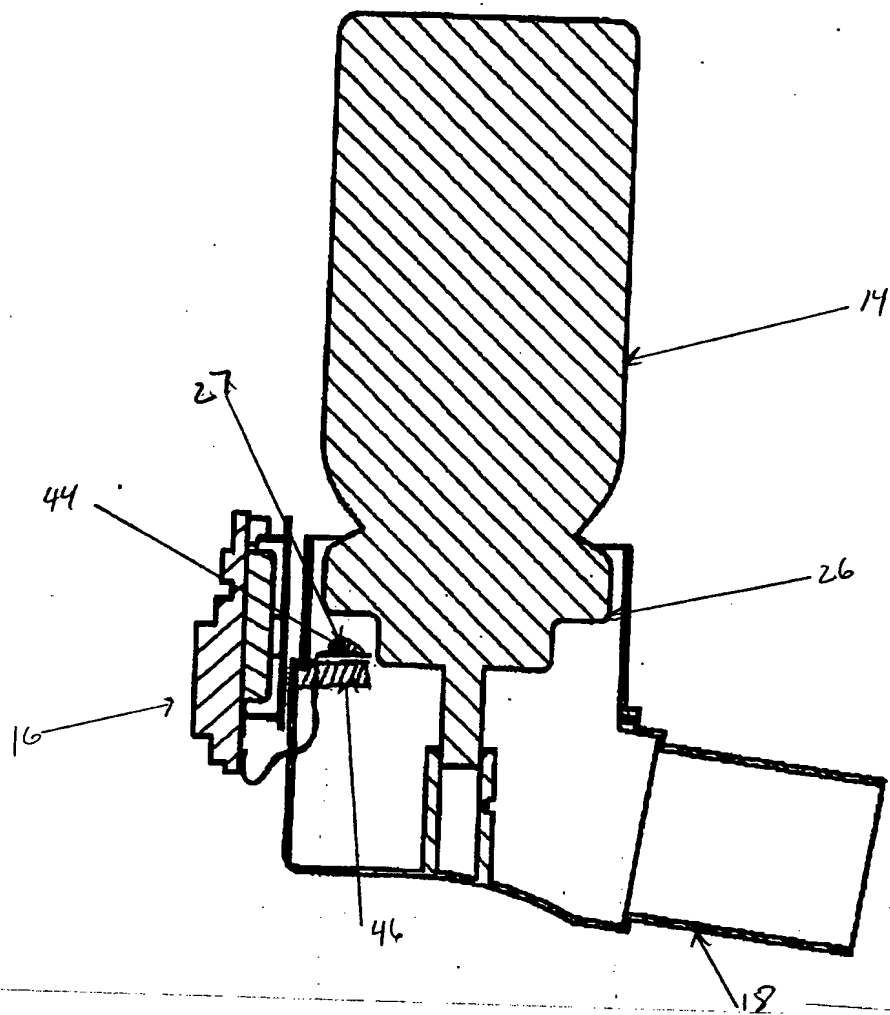


Fig 13

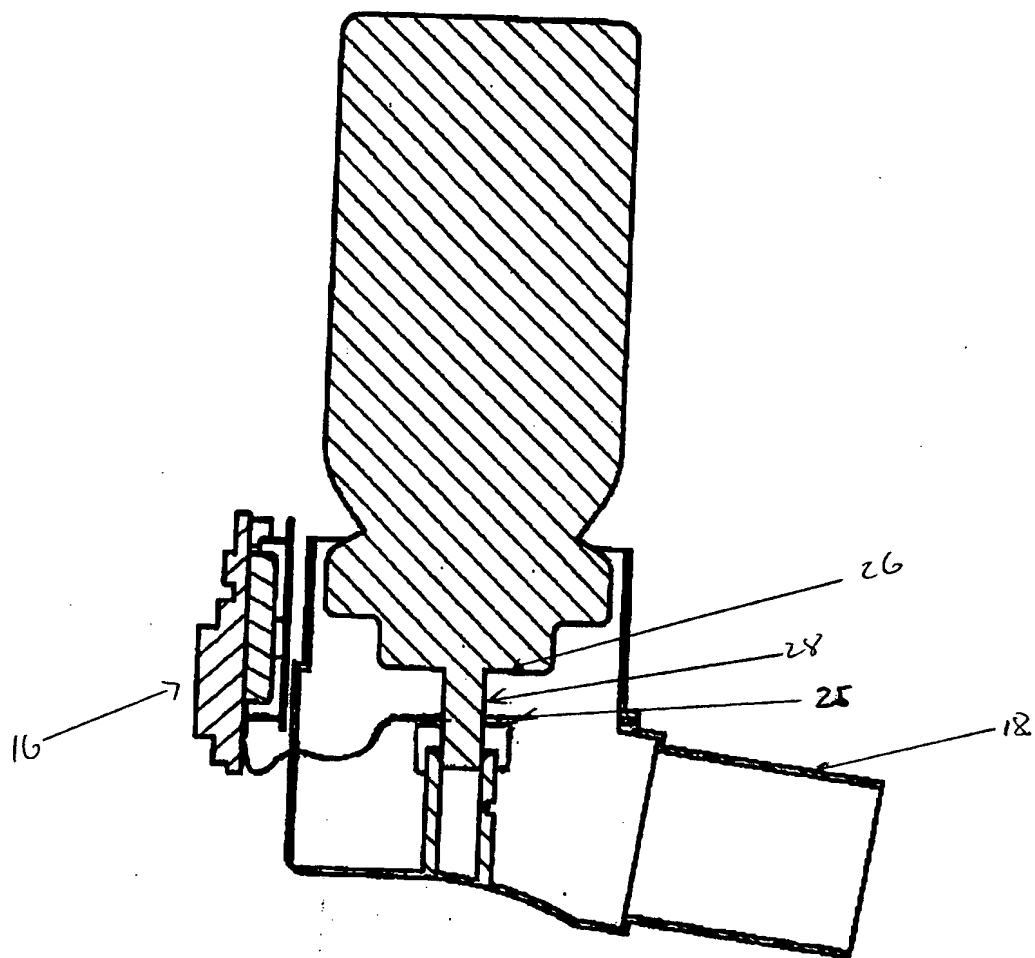


Fig 14

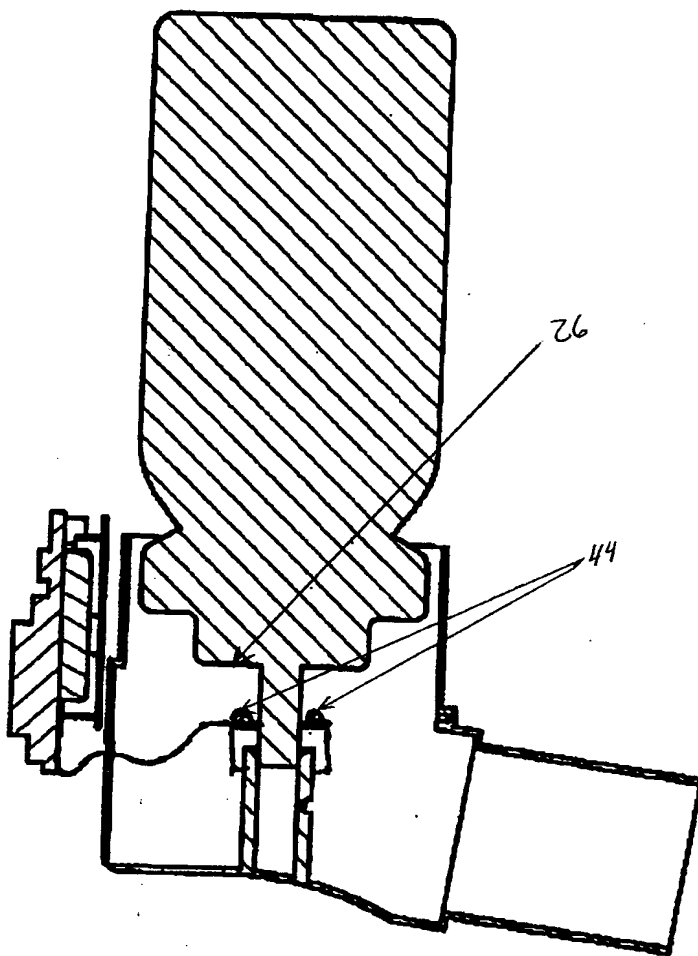


Fig 15

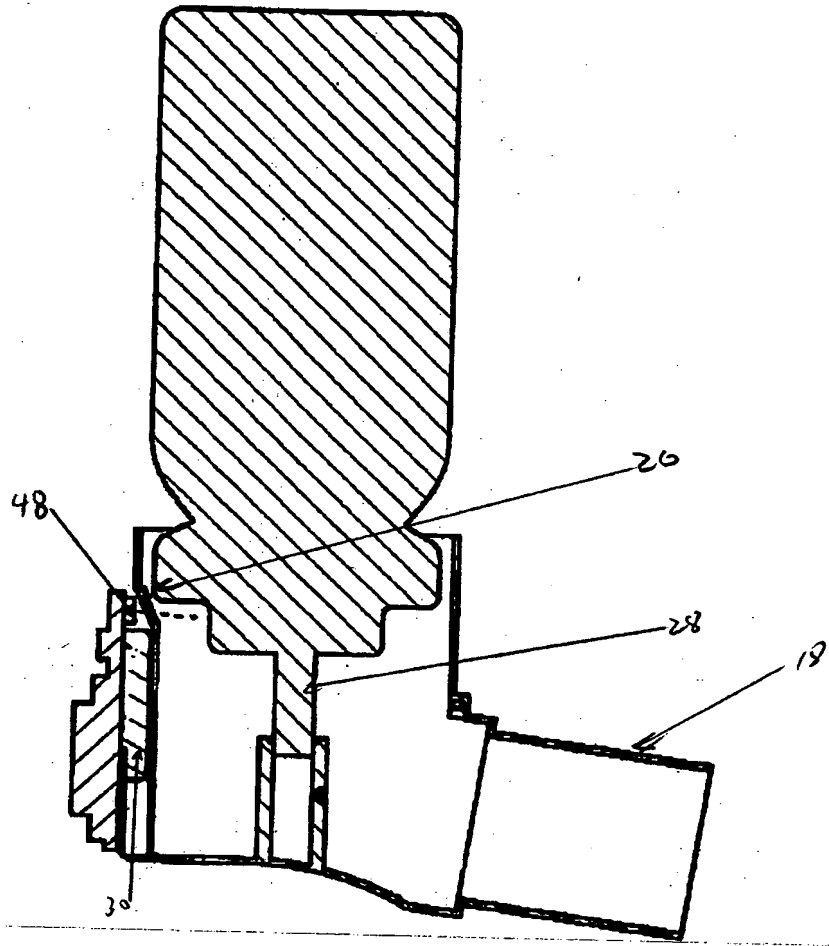


Fig 16

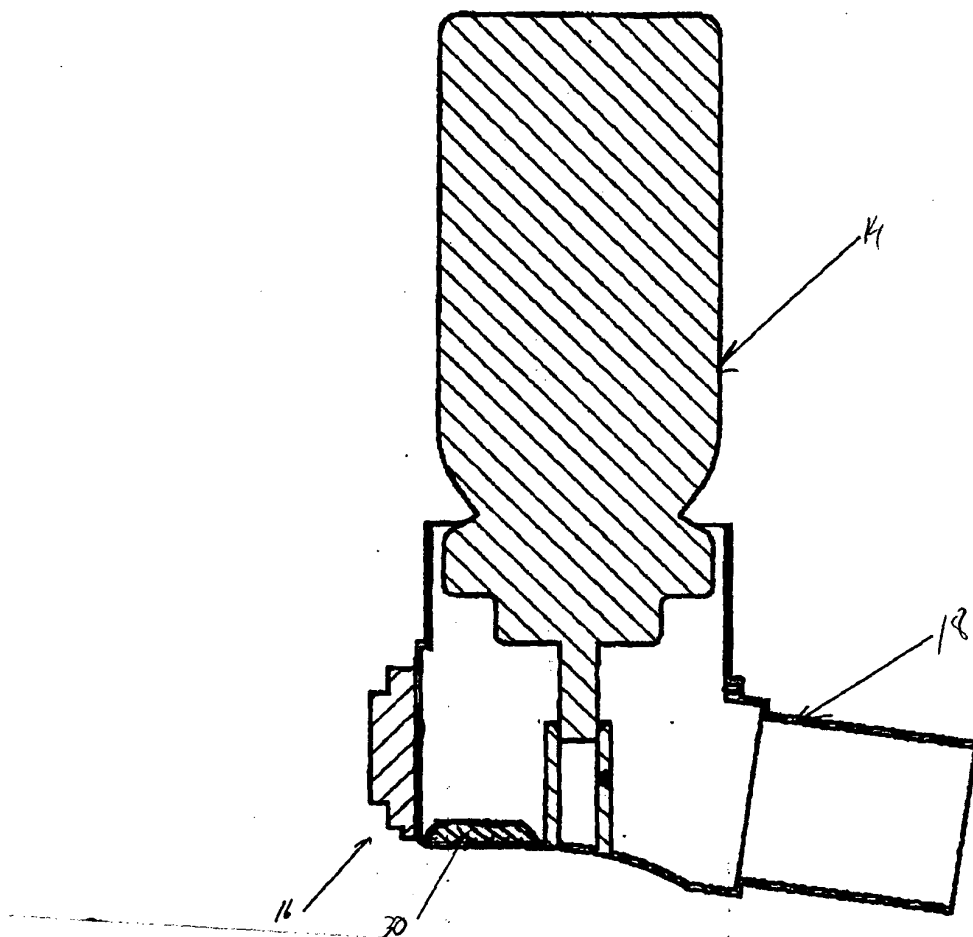


Fig 17

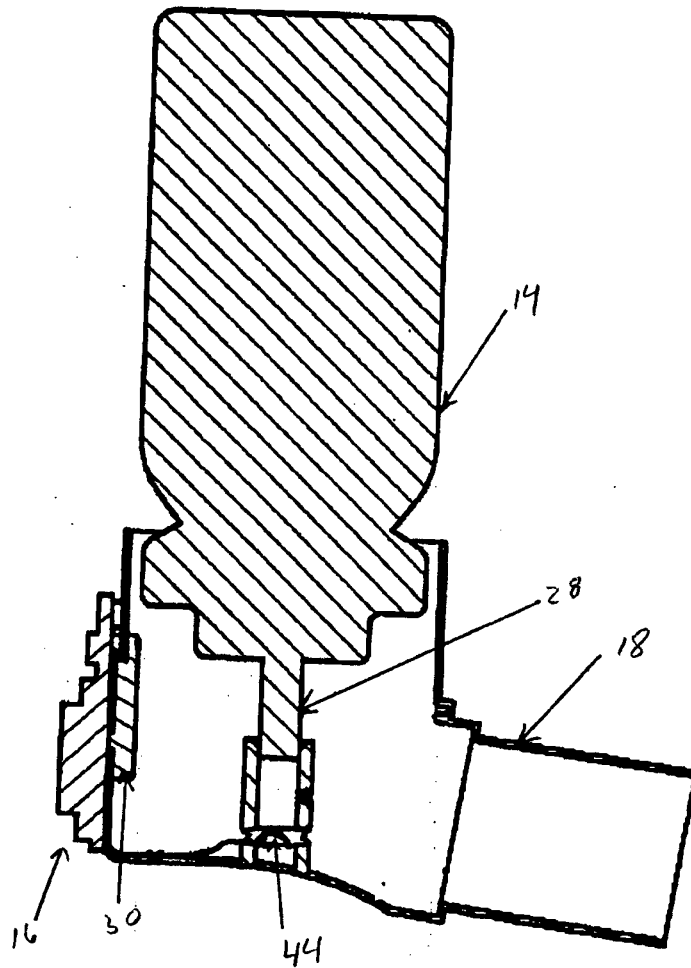
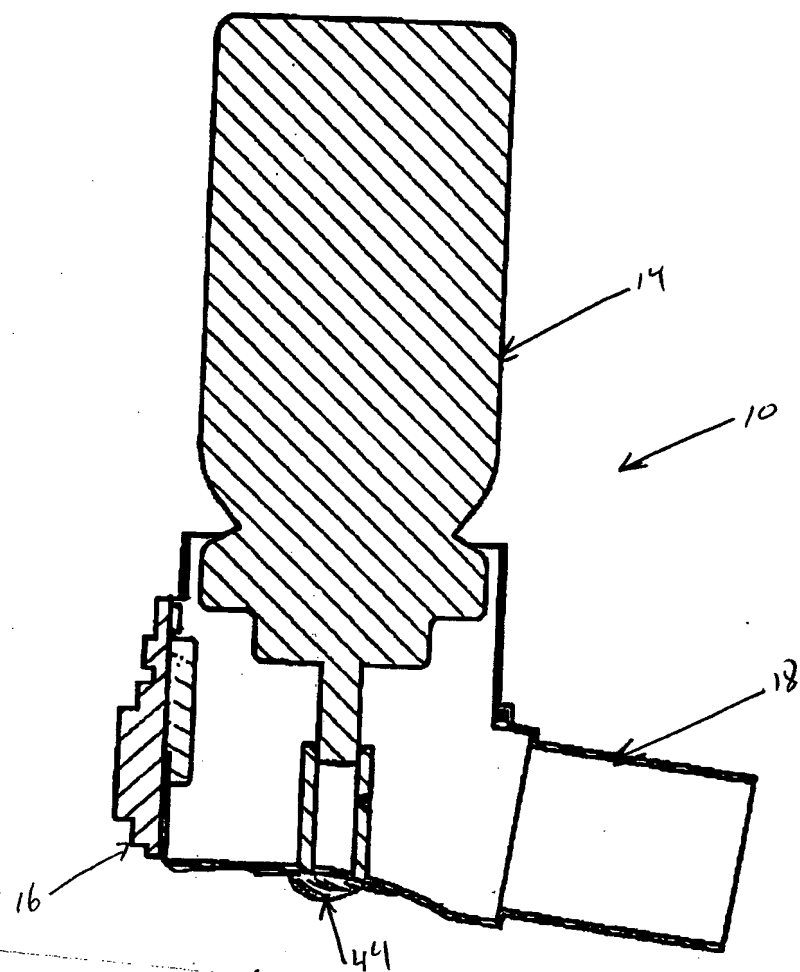


Fig 18



Fig

19

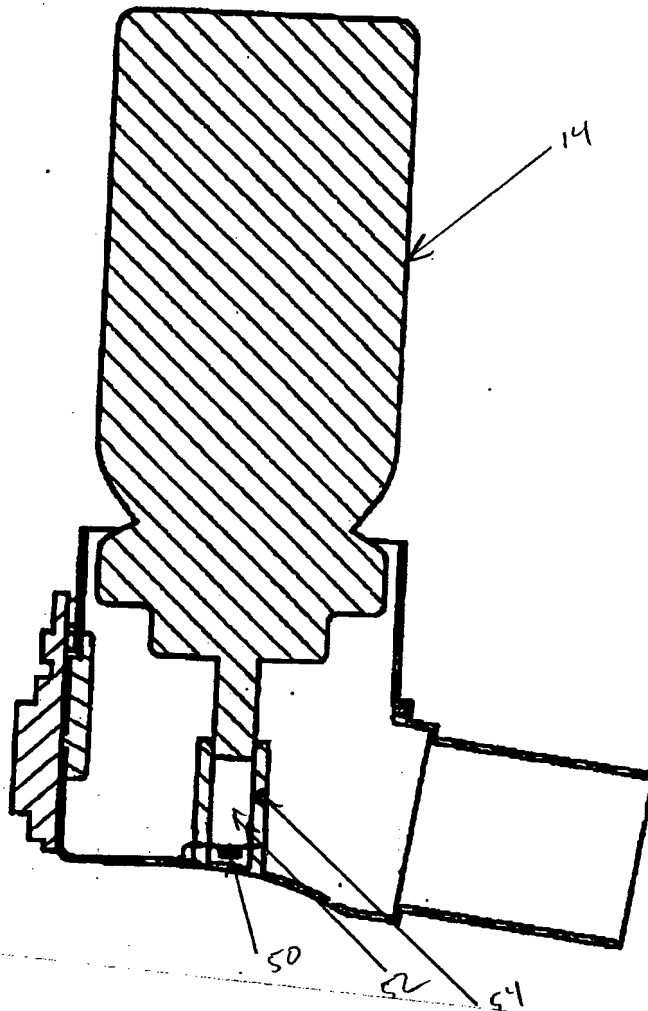
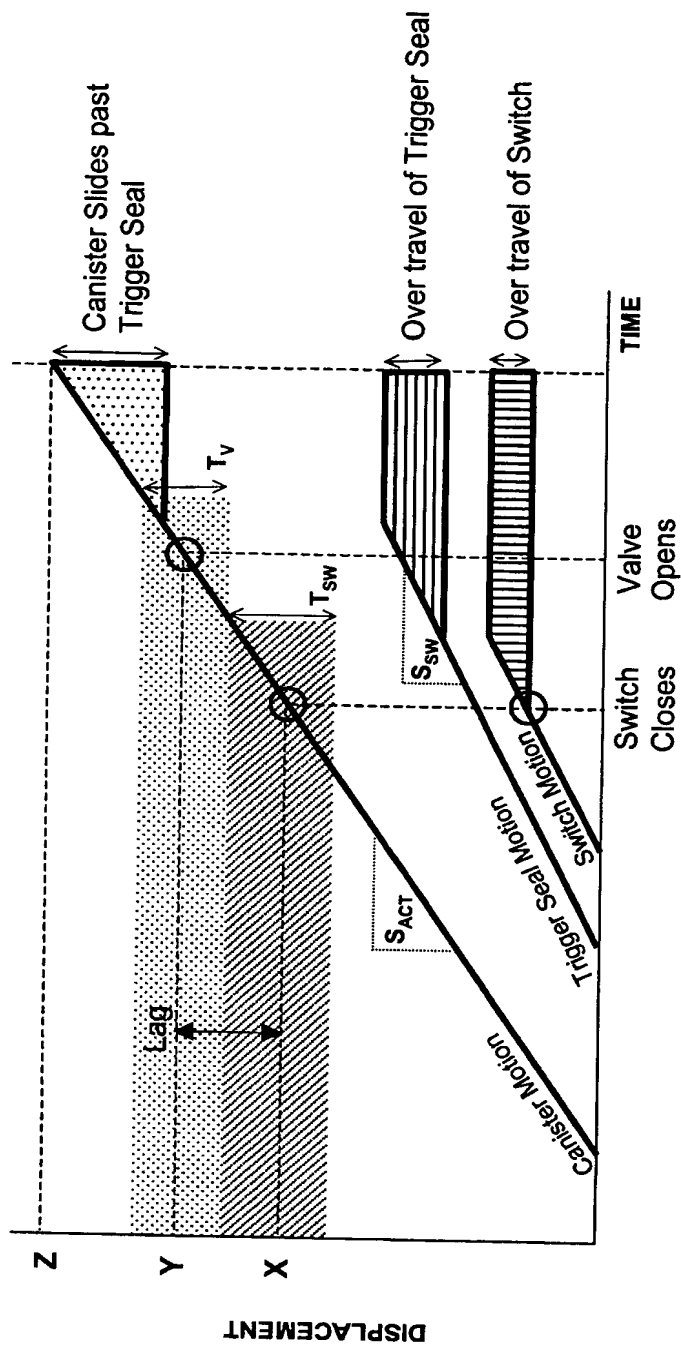


Fig 20



X = Point at which switch closes in electronic counter circuit

Y = Point at which valve opens and medicament begins to dispense

Z = Total canister travel

T_V = Tolerance of valve actuation

T_{SW} = Tolerance of trigger seal and switch assembly

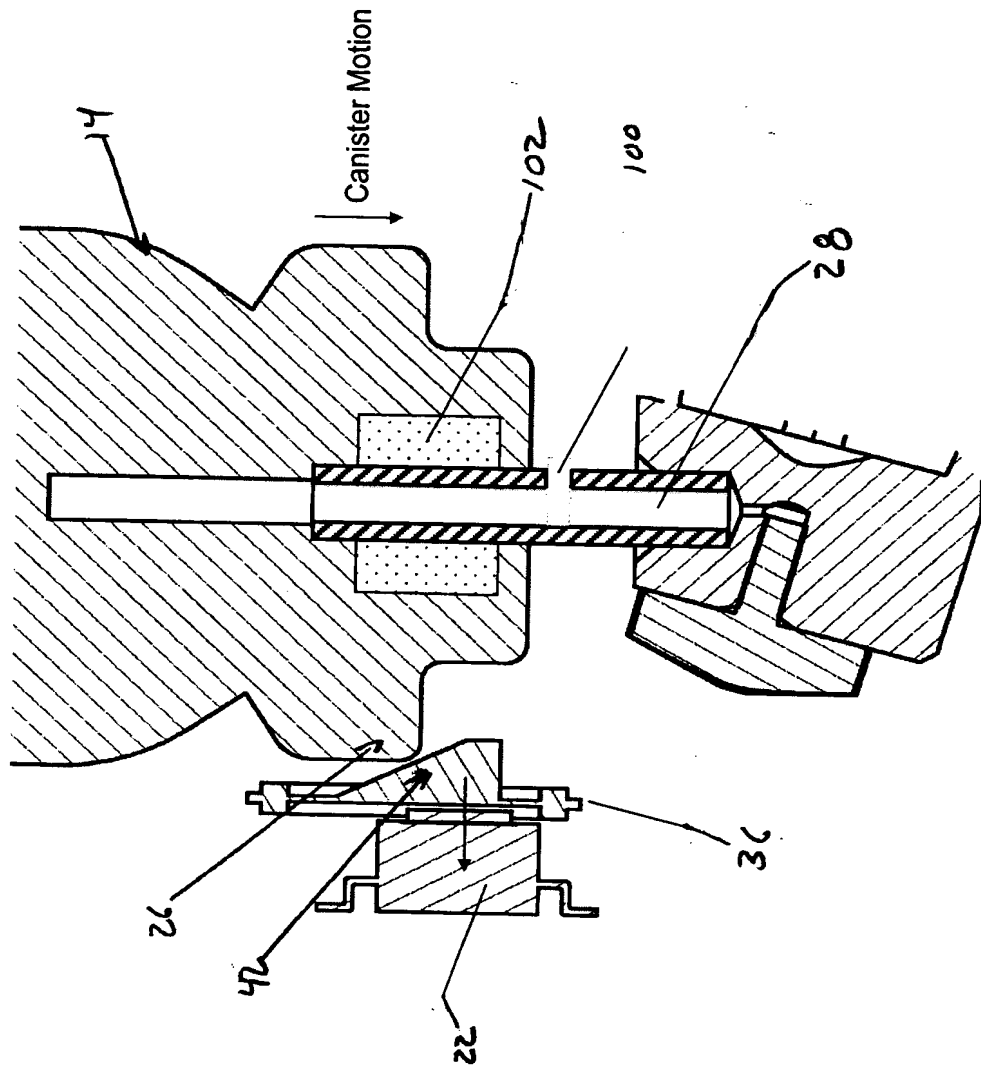
LAG = Difference between switch closure and valve opening – aim to reliably minimize
 $= \frac{1}{2} (T_V + T_{SW})$

S_{ACT} = Slope or dynamic profile of actuation motion

S_{SW} = Slope or dynamic profile of trigger seal and switch motion

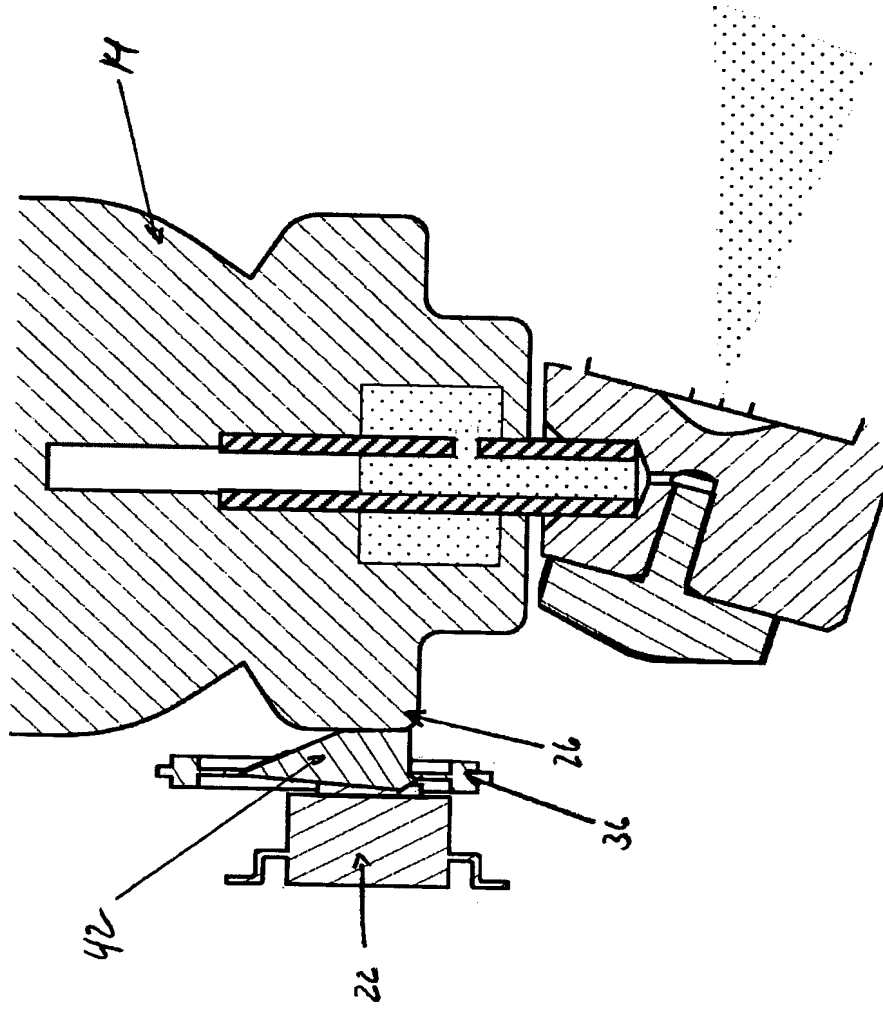
Fig 21

Fig 22a



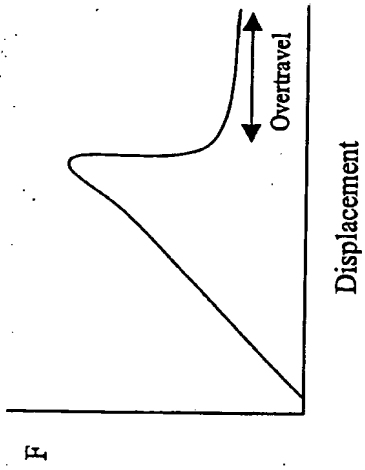
Valve Closed (Switch Open)

Fig 22b

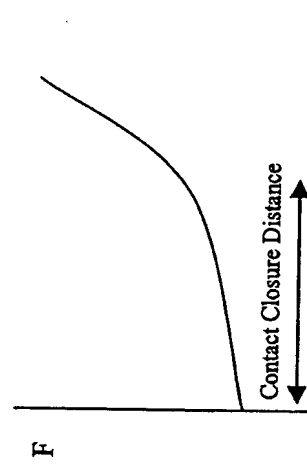


Valve Open (Switch Closed)

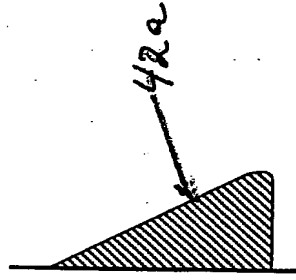
Membrane Switch



Contact Switch



Corresponding Ramp Profile



Corresponding Ramp Profile

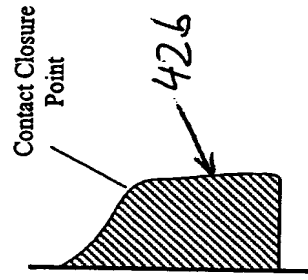


Fig 23a

Fig 23b

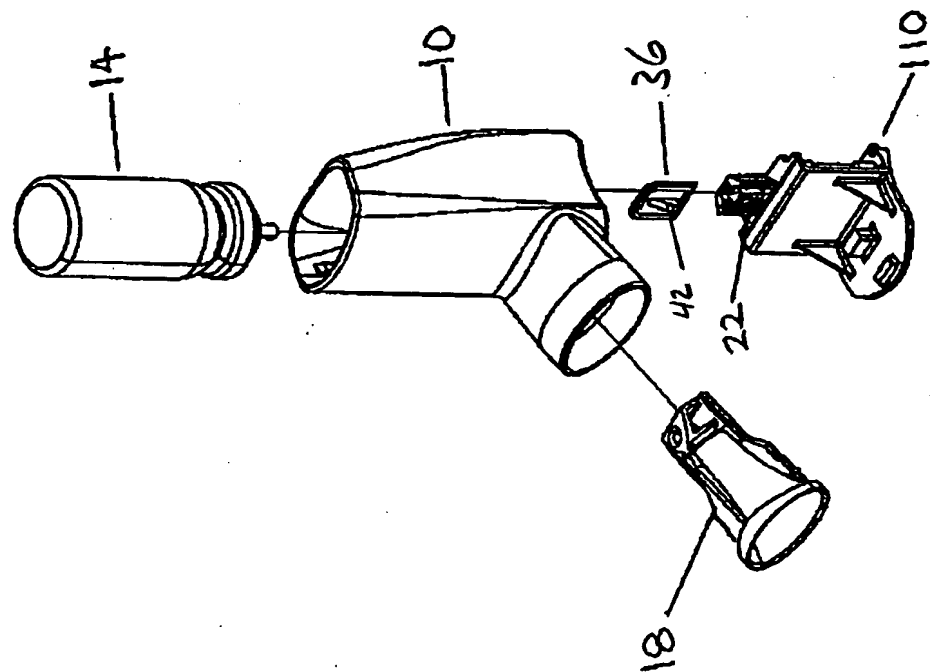
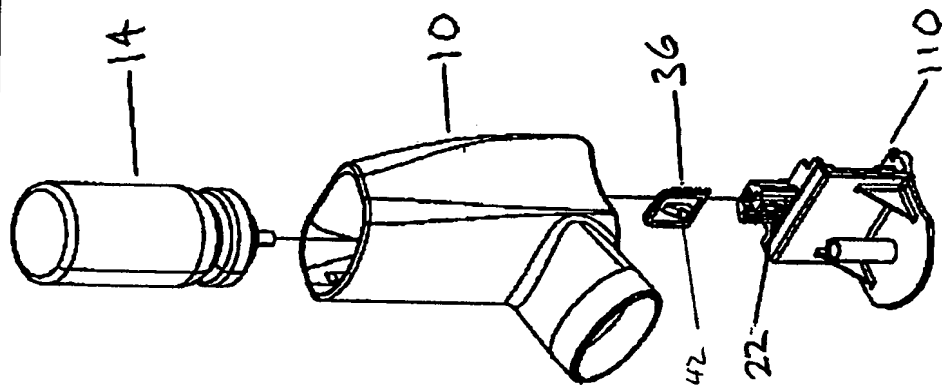


FIG 24a

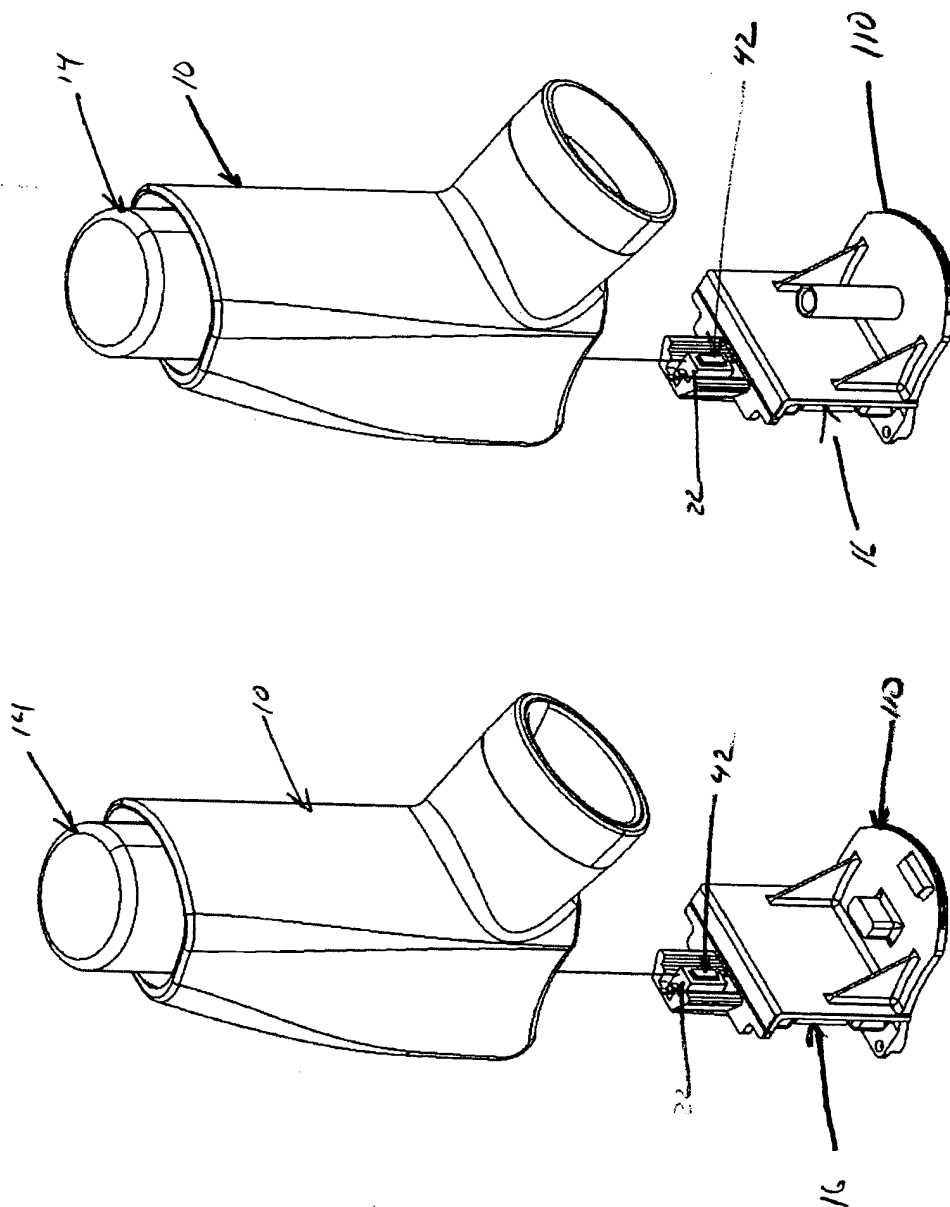


Fig 24b

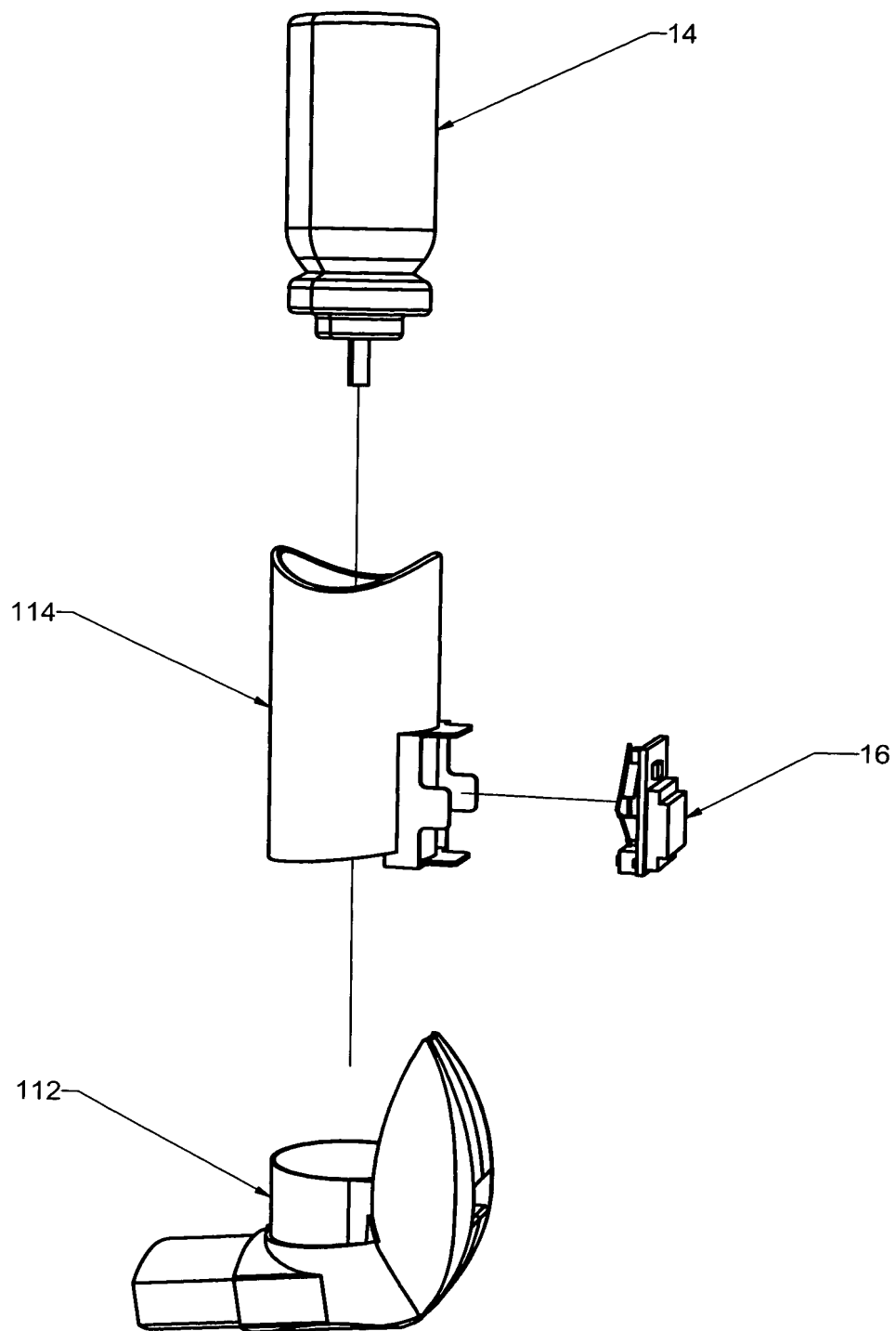


Fig. 25